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| **Stage 1 Digital Communication Solutions** **Assessment Type 2**  |
| **Task Description** |
| Assessment Type 2 - Design Process and Solution task has two components:Part 1 – Design developmentStudents show evidence of key design phases of investigation and analysis, design development and planningPart 2 – Solution realisationStudents create and evaluate the solution. |
| **Learning Experience** |
| **Assessment Type 2; Design Process and Solution (60%)**For 10-credit subject students undertake one design process and solution task.The design process is in two parts:**Part 1 - Design development**Students show evidence of key design phases of investigation and analysis, design development and planning. For investigation and analysis students need to review design features, and research and discuss issues.**Your Task.** The Onkaparinga Council requires a series of postcards to promote tourism in the region. You are required to choose an area within the Onkaparinga district to research, design and develop your series of postcards. 4 final A6 (148x110mm) postcards will be submitted in the Onkaparinga design format. Complete the following and provide evidence for each.* Investigation and select of an area to photograph
* Investigate and analyse current images that you may capture
* Investigate existing Onkaparinga material and examples of brand use
* Research and report on an ethical, legal, sustainable, or commercial issue e.g. Sensitive indigenous areas
* State postcard dimension and requirements needed in the design etc
* Show development and planning of your photos
* Show development and planning of the solution.
* Minimum of 10 prints for consideration as a proof sheet. (4 to become finals prints)

For a 10-credit subject the evidence for the design development should be a maximum of 1250 words if written, or a maximum of 7 ½ minutes if oral, or the equivalent in multimodal formThis section is focussed on investigation and analysis (I1 and I2), and development and planning (D1 and D2).**Part 2 - Solution realisation**Students create and evaluate the solution. The student provides evidence of the solution in the form of images or a video recording and evaluates the completed solution. Students evaluate how well the requirements of the design brief have been met, including what worked well, what did not go according to plan, and what was learnt. Students consider possible modifications to improve the outcome and discuss how the solution is to be used.**Your Task.**Show evidence of the critical steps, and the final solution realisation (4 final prints)A minimum of four prints that are rejected, and reasons annotated.Evaluate how well the brief was met, and what went well or not to plan, what learnt?Possible modifications and the solutions use.For a 10-credit subject, the evidence for the solution realisation should be a maximum of 500 words if written, or a maximum of 3 minutes if oral, or the equivalent in multimodal form.This section is focussed on production (P1 & P2) and evaluation (E1) |
| **Date received:** |  | **Draft due:** |  | **Final due date:** |  |

Performance Standards for Stage 1 Design, Technology and Engineering

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| -  | Investigation and Analysis | Design Development and Planning | Production | Evaluation |
| A | Comprehensive and thoughtful review of the design features of products, processes, materials, systems, and/or production techniques.Planned and thorough research and discussion of ethical, legal, economic, and/or sustainability issues related to a solution. | Polished and comprehensive communication of design concepts, using relevant technical language.Insightful planning and development of design concepts and procedures. | Highly proficient application of skills, processes, procedures, and techniques to create a solution.Comprehensive development of solutions to technical problems that arise during the solution realisation. | Comprehensive and insightful evaluation of the solution features, realisation process, and/or response to issues. |
| B | Logical and well-considered review of the design features of products, processes, materials, systems, and/or production techniques.Detailed and considered research and discussion of ethical, legal, economic, and/or sustainability issues related to a solution. | Thoughtful and well-considered communication of design concepts, using relevant technical language.Well-considered planning and development of design concepts and procedures. | Proficient application of skills, processes, procedures, and techniques to create a solution.Thoughtful development of solutions to technical problems that arise during the solution realisation. | Well-informed and detailed evaluation of the solution features, realisation process, and/or response to issues. |
| C | Informed review of the design features of products, processes, materials, systems, and/or production techniques.Research and discussion of ethical, legal, economic and/or sustainability issues related to a solution. | Clear communication of design concepts using technical language.Competent planning and development of design concepts and procedures. | Competent application of skills, processes, procedures and techniques to create a solution.Development of solutions to technical problems that arise during the solution realisation. | Considered evaluation of the solution features, realisation process, and/or response to issues. |
| D | Identification of the design features of products, processes, materials, systems, and/or production techniques.Some description of information about ethical, legal, economic, and/or sustainability issues related to a solution. | Basic communication of design concepts, using some technical language.Some planning and development of design concepts and/or procedures. | Basic application of some skills, processes, procedures, and techniques to create a solution.Some endeavour to develop solutions to technical problems that arise during the solution realisation. | Some description of the solution features, realisation process, and/or response to issues. |
| E | Attempted identification of the design features of products, processes, materials, systems, and/or production techniques.Some accessing of information about ethical, legal, economic, and/or sustainability issues related to a solution. | Superficial and simplistic communication of design concepts.Limited use of information to plan design concepts. | Limited application of emerging skills.Attempted development of a solution to a technical problem. | Emerging recognition of the solution features, realisation process, and/or response to issues. |

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